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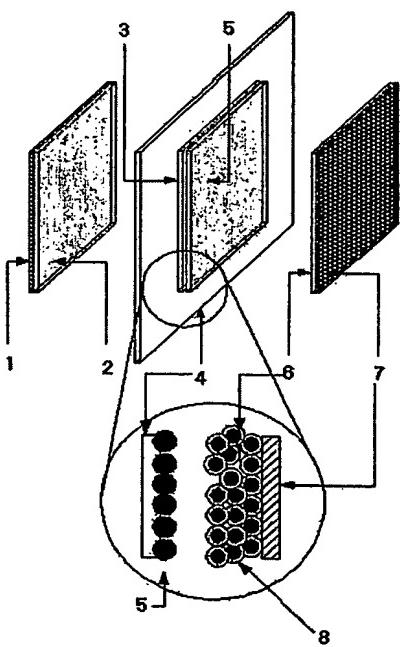
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- (71) Applicant (*for all designated States except US*): **LG CHEM, LTD. [KR/KR]**; LG Twin Tower, 20, Yido-dong, Yongsungpo-gu, Seoul 150-721 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **LEE, Sang-Hyun [KR/KR]**; 402, Park Vill, 338-15 Jeonmin-dong, Yuseong-gu, Daejeon 305-810 (KR). **KIM, Hyuk-Nyun [KR/KR]**; 207-1001 Expo Apartment, Jeonmin-dong, Yuseong-gu, Daejeon 305-761 (KR). **MOON, Go-Young [KR/KR]**; 101-301 Hansol Apartment, Songgang-dong, Yuseong-gu, Daejeon 305-758 (KR). **CHUNG, Ha-Chull [KR/KR]**; 116-301 LG-SK Apartment, Cheongsu-dong, Cheonan-si, Chungcheongnam-do 330-190 (KR). **PARK, Kyoung-II [KR/KR]**; 602-509 Rose Apartment, 273, Hagye-dong, Nowon-gu, Seoul 139-873 (KR). **SONG, Seong-Min [KR/KR]**; 303, 3rd Floor, 365-98 Deungchon2-dong, Gangseo-gu, Seoul 157-836 (KR).
- (74) Agent: **KIM, Seong-Ki**; 14F, Kukdong Building, 60-1 Chungmuro3-ka, Chung-ku, Seoul 100-705 (KR).
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(54) Title: HYBRID MEMBRANE-ELECTRODE ASSEMBLY WITH MINIMAL INTERFACIAL RESISTANCE AND PREPARATION METHOD THEREOF



(57) **Abstract:** The present invention provides a membrane-electrode assembly comprising: electrodes consisting of an anode comprising a gas diffusion layer and a catalyst material-containing active layer, and an cathode comprising a diffusion layer and a catalyst material-containing active layer; and an electrolyte membrane interposed between the anode and the cathode and comprising a catalyst material-containing active layer at one or both sides, the electrodes being hot-pressed, to the electrolyte membrane, wherein in coating the active layer on the gas diffusion layer, the viscosity of the active layer is in a range of 100 to 10,000 cPs, as well as a production method thereof. The inventive membrane-electrode assembly has a low interfacial resistance between the membrane and the electrodes, as well as high catalyst availability and excellent power density, and can be mass-produced.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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